

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Carolina Alonso

GENERAL INFORMATION:

Name:	Polyair Packaging, Inc.
Address:	300 Spencer Mattingly Lane Bardstown, Kentucky 40004
Date application received:	03/11/2003
SIC/Source description:	3089/ Polyethylene Foam Products
Source ID #:	21-179-00050
Source A.I. #:	39476
Activity #:	APE20040001
Permit number:	V-06-010

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
__Administrative	<input checked="" type="checkbox"/> Title V
__Minor	<input checked="" type="checkbox"/> Synthetic minor
__Significant	<input checked="" type="checkbox"/> Operating
<input checked="" type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☐ Certified by responsible official
- ☐ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants)

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Potential (tpy)
VOC	352.5	821.6
Single HAPs > 10 tpy	N/A	N/A
Source wide HAPs > 25 tpy	N/A	N/A

SOURCE DESCRIPTION:

Polyair Packaging, Inc. produces thin sheets of polyethylene foam. Pellets of low density polyethylene (LDPE) are melted and injected with isobutane as a blowing agent, then extruded into long, thin sheets. Rolls of foam are stored in the curing room for several weeks, then processed into final products.

The source has two foam extrusion lines, curing rooms, storage tank and recycling material recycler.

There is a collection system consisting of floor vents ducted to a roof exhaust stack for each foam extruder line and for the curing room.

EMISSIONS AND OPERATING CAPS DESCRIPTIONS:

The source has accepted a VOC emission limit of 389.5 tons per year from lines 1 and 2 (incl. curing rooms) to preclude PSD source trigger level. The actual VOC shall not exceed 389.5 tons per year. Also line 1 and 2 has individual limit (see permit emission limitations requirement). This annual limitation shall not be exceeded during any consecutive twelve months period for the entire source.